



TOIKE OIKE, TOIKE OIKE, OLLUM TE CHOLLUM TE CHAY
SCHOOL OF SCIENCE, SCHOOL OF SCIENCE, HURRAY, HURRAY, HURRAY

(P2 - 424, 134)

SCHOOL DINNER OCTOBER 24th



LISTER SINCLAIR

**Tickets
Now
Available**

Lister Sinclair Guest Speaker

The School Dinner has now been fixed for the evening of Thursday, Oct. 24th, at 7.00 p.m. At has become the custom, the dinner will be held in the magnificent Great Hall of Hart House.

The speaker for the evening will be Mr. Lister Sinclair, well known C.B.C. commentator. Mr. Sinclair is a proficient, linguist, mathematician, author, actor and musician.

Born in Bombay, India, Mr. Sinclair's late moved to London, England, where he attended the Collet Court preparatory school and later, St. Pauls. Moving once more, in Canada this time, he later attended the University of Toronto, where he received the degrees of Bachelor and Master of Arts. At one stage he taught calculus to first year students in Electrical Engineering, but they eventually got the better of him.

Continuing westward, Mr. Sinclair spent some time at the University of British Columbia, but found it impossible to stay away from Toronto the Good. Returning here, he took up a teaching post on the staff of the Royal Conservatory of Music.

An accomplished linguist, Mr. Sinclair speaks French, German, Gaelic and Spanish fluently, and, with somewhat less ease, several other languages. His talents, however, are not confined to the languages. As indicated above, he is an accomplished mathematician and musician as well. In addition, he not only writes plays himself, but has appeared in several C.B.C. productions as an actor.

Mr. Sinclair is renowned as a very thought provoking orator, whose favorite topics are controversial subjects. The Engineering Society has been extremely fortunate in being able to have him accept their invitation to our School Dinner.

Tickets for the School Dinner are now in the hands of the class representatives, from whom they should be obtained. The capacity of the Great Hall is but a small fraction of the total enrollment of this faculty. All those who intend attending the dinner, and everyone should, must see about the purchase of their tickets immediately, in order to avoid disappointment. The tickets are available at a cost of \$1.25. This low cost made possible through subsidy from the Engineering Society's funds.

Those attending the dinner should meet in the East Common Room of Hart House in time to be able to proceed to the Great Hall at 7.00. Dress is informal, that is, lounge suits.

MENU

The Menu Prepared is As Follows:

TOMATO JUICE	
ROAST PRIME RIBS OF BEEF	HORSERADISH
CREAM SAUCE	
CREAMY WHIPPED POTATO	
FROSTED GREEN PEAS	ASSORTED RELISHES
APRICOT PARFAIT	COOKIE
ROLLS	COFFEE

Helen To Be Married



Weep, you skulemen, our Helen is getting married. Our only consolation is that it is a skuleman who won her; Flying Officer E. B. Cross, presently of Port Credit, is the lucky man. Ted, a graduate of Chemical Engineering, class of 5T8, is one of those chaps who likes exciting living, thinks that there is nothing like a short flight in jet plane before dinner to work up an appetite, and that there is nothing like a beautiful blonde for a wife. Helen, as you all know, was born in Kirkland Lake, and will be married in the Anglican church there on the 26th of October. The wedding ceremony will be quiet, with close friends and relatives attending, and will be followed by a honeymoon trip to Ottawa and Montreal. This will be the McGill weekend, so . . . take it from there. Helen will continue to work for the Society, (for a while at least, married secretaries sometimes don't seem to be able to stay at their jobs too long, seems they get bothered by the patter of tiny feet).

Fall Elections

Fall elections to fill vacancies existing on the executive of the Engineering Society will be held on Friday, Oct. 25. These vacancies are partially as a result of those elected to the posts in last term's election having failed their Spring examinations. The other positions are reserved for first year students.

- The positions vacant are:
- (I) First Vice-President.
 - (II) External Affairs Representative.
 - (III) President, Class of 6T1.
 - (IV) Athletic Representative, Class of 6T1.

Candidates for the position of First Vice-President must be in their fourth academic year. The External Affairs Representative must be in his third or fourth year. The other two positions are open to students in their first year only.

It is desirable that each of the first year positions in particular be contested by more than one person. In as large a class as the freshman year is, only by as many candidates coming forward as is possible will a suitable representative be elected.

NOMINATIONS:

Nominations for election to the above positions will be received in the Engineering Society's Office's. These nominations should be handed in on Friday, Oct. 18, or Monday, Oct. 21, between the hours of 9 a.m. and 5 p.m.

ELECTION CAMPAIGNS:

Campaign speeches will be delivered in Room T-102 in the Mechanical Building, between 1 and 2 p.m. All candidates will deliver election speeches on that occasion, and the rest of the student body is expected to be present.

Campaigning by posters or other approved methods will be allowed during the period Oct. 22-24th, inclusive.

VOTING:

On election day ballot boxes will be placed at strategic positions in all faculty buildings. Voting will be by the Hare-Spence method.

COUNTING BALLOTS:

The ballots, when received, will be divided according to indication of first choice. If one candidate gains 51% of the vote, he is elected. If not, the most poorly supported candidate's ballot will be re-distributed according to second choices among the other remaining candidates. Again, a candidate wins with 51% of the ballots, or the process is repeated. Eventually one candidate gains 51% of the vote.

SPOILING THE BALLOTS:

The Political Economy Department was consulted concerning the spoiling of ballots. It was pointed out that a voter has the right to support any desired number of the nominees for any one position. Therefore, he may indicate his preference by numbers for less than the whole slate if desired.

But if only one candidate is indicated, the ballot is not eligible for re-distribution in the process previously indicated. Similarly, if only two candidates are indicated by NUMBERS, the ballot is only eligible for one re-distribution. Need we point out that your ballot has more power if the whole slate is referred to?

A ballot is not spoiled if marked with an "X" or a check, but, of course, only ONE CANDIDATE can be supported by this method. Any doubtful ballot is a spoiled ballot.

Extra Slide Rule Lecture For Flu Victims

For the benefit of Freshmen who were prevented by illness from attending the recent slide rule course, Prof. Jones has kindly offered to give an extra lecture on Thursday, October 17, from 5.10 to 6 p.m. in Room 102 of the Mechanical Building. Although specifically held for students who have been away, any first year student is welcome to attend.

TOIKE OIKE

Devoted to the interests of the undergraduates of the
Faculty of Applied Science

Published every now and then by the Engineering Society
of the University of Toronto

Opinions expressed are not necessarily those of the
Engineering Society or its officers.

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BUSINESS MANAGER
PHOTOGRAPHER
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Tom Brzustowski
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Frank Wawrychuck

ELECTIONS

Next week, on Friday the 25th, inst., the freshmen will be given their first opportunity to vote in elections to the Executive of Engineering Society. Elections to positions on the executive of the Engineering Society are no less important to the well being of our Faculty than are political elections to the well being of the nation. The Engineering Society is the official undergraduate organization of this faculty, and represents the student body in relations with the Faculty Council, the University administration and the student organization of other faculties and colleges. It promotes the cultural, athletic and social activities of the faculty and operates the supply store. Its officers will be entrusted with the spending of \$5 directly contributed by each undergraduate with his fees, as well as a sizeable amount resulting from the successful operation of the stores.

These considerations alone should be sufficient to make each student aware of his responsibilities to his faculty and to himself, to make him consider carefully the merits of each candidate, and to make his choice when the opportunity to vote comes around on Friday.

The choice of a candidate should not be left to chance or the mere recommendation of a friend. On Wednesday the 23rd, each class will be given the opportunity to hear each candidate and his ideas. Details of these campaign speeches are given elsewhere in this issue. Though each person may not be able to speak for more than three or four minutes, such time is sufficient to reveal a great deal about a man. You will be able to judge his effectiveness as a speaker, his personal appearance, and most important, perhaps, what he will have to offer the Society if elected. This period of campaigning, therefore, is no less important for the election of suitable persons than are the elections themselves.

Quite often in political elections, citizens are enjoined to get out and vote, no matter how, just vote. This principle has very little indeed to recommend it. The privilege and responsibility of voting is of real value only when rationally exercised. It is no exaggeration to say that the thoughtless casting of ballots, purely for the sake of complying with what is regarded as a duty, can do more harm than good. This is not to minimize the importance of voting, it remains a duty not to be lightly regarded. Clearly, however, the duty is not merely to vote, but to do so knowing that careful thought has convinced us that our choice of candidate is in the best interests of good government.

MUSEUMS

We were rather relieved to see the transformation that had been wrought in the Mechanical museum over the summer. Located on the fourth floor of the new Mechanical Building, this museum was probably known only to those who had classes in the Machine Design or Industrial Labs, located on the same floor. Even some of these were possibly unaware of its existence. Among the objects occupying floor space in it, were two stripped automobile chassis of about six years in vintage, or more. Not even when these chassis were brand new, did they have any points of technical interest to display. Their lack of anything of interest must have embarrassed them as keenly as it would any girl stripped to similar nudity. There were other items there which could have led one to believe that it was a manufacturer's dumping ground for unwanted equipment.

The present situation is most happy. Converted to a Machine Design Laboratory, it still retains the more interesting objects which are arranged along the sides of the wall. They will even help to inspire enthusiastic machine designers.

Yet, a museum properly planned has an important function in an Engineering college. It is to be hoped that when the expansion currently being planned is undertaken, that some space will be reserved for an Engineering museum which will be a source of pride rather than one of embarrassment.



INITIATIONS

The upper picture shows the Lady Godiva Memorial Band relaxing after a strenuous session.

The lower picture shows the freshmen effecting their transformation on High Park.



ENGINEERS

LEARN THE MILITARY APPLICATION OF YOUR
ENGINEERING SKILLS

QUALIFY FOR A COMMISSION IN THE
CANADIAN ARMY REGULAR OR MILITIA

— in —

The Royal Canadian Engineer (R.C.E.)

The Royal Canadian Corps of Signals (R.C. Sigs.)

The Royal Canadian Electrical and Mechanical
Engineers (R.C.E.M.E.)

Varied, interesting and professionally useful summer training, at rates of pay comparable with those available in civilian employment. The Army uses a very wide range of the latest electrical and mechanical equipment. Its operation and maintenance creates an unequalled opportunity for engineers to gain valuable experience in the practical application of their professional training.

WHY NOT ENQUIRE?

119 ST. GEORGE STREET

Tel. EM. 6-8311, Local 322

Yearbook To Be Published Again

The executive of the Engineering Society has decided that the School Yearbook will again be published this year. Towards this end applications are invited for all positions of staff. This includes Editor in Chief, Business Manager, Sports Editor, Club representatives and all other positions necessary to be filled for the successful production of the book.

The Yearbook was reintroduced last year after a lapse of five years, and was most enthusiastically received. It had been reintroduced because it was felt that a faculty of this size needed some permanent record of the year's activities, so that graduating students could have some memento of events occurring during their stay in University. Without a Yearbook of their own, Engineers must depend on *Torontonensis* only, which, having to cover the activities of the whole campus, is understandably inadequate in its treatment of the affairs of Skule.

"Transactions and Yearbook" fulfilled this function prior to 1951. First started before the end of the last century, the Transactions appeared every year. However, in 1951, the Society decided that, due to lack of interest and low sales, publication should be discontinued.

Last year's Yearbook was re-organized on a different basis to that existing before 1951. Distribution was free, the cost of the book being borne by advertisements, and Engineering Society subsidies. It was a great success, and enthusiastic reports are still being received from former grads and others who have just now been seeing their first copy of the issue. Every Skule function was covered, and each class had a page all to itself, complete with a group photograph. It has been the terrific success of last year's efforts, exceeding all that could have been hoped, that has moved the Society to sanction publishing the book again.

However, if the Yearbook is to repeat the success it achieved last year, the student body must supply the staff necessary for such a project. All staff posi-

tions are now open for the 1958 School Yearbook. The big needs are sports, business and editorial workers. Experience is not necessary, although a number of freshmen who worked on high school magazines or yearbooks are urgently needed. Anyone willing to do a small amount of work towards the production of an excellent magazine is most welcome.

All interested in filling any of

the staff positions are invited to a meeting in the Engineering Society's Offices on Thursday, the 17th, (tomorrow), at 1.10 p.m. The Offices are beside the Store, and are reached through the same entrance. You are welcome to bring your lunch, and to eat while attending the meeting.

The Yearbook had to be cancelled once because of lack of interest. It must not be so again.

Compliments of the

ELM GRILL

171 College Street West

WHAT—

Largest Electronics-Nucleonics Convention and Display ever held in Canada.

WHERE—

Automotive Building, C.N.E.

WHO—

Institute of Radio Engineers of Canada, 2nd Annual Convention.

WHEN—

October 16, 17 and 18. This week.

Any student member of the I.R.E., or any other student may register FREE and attend technical sessions or visit exhibits.

A golden opportunity to get a comprehensive Cross-Canada view of this booming industry, which is more and more affecting every branch of engineering.

For details of technical sessions, papers and exhibits, see notice boards in the Electrical Building, or the following:

Dr. G. Sinclair — faculty adviser to student I.R.E.
Jack Ellis — Chairman, Student I.R.E.
Blake Cherrington — Secretary, Student I.R.E.

Letter To The Editor

Dear Friend:

This is a chain letter that was started by a man like myself, who was tired, and is being carried on in the hopes of bringing relief and happiness to those who fail to break the chain.

Unlike most chain letters, this does not cost you anything. Simply send a copy of this letter to five of your business friends who are equally tired, then bundle up your wife and send her to the man whose name is at the top of the list, and add your name to the bottom.

When your name comes to the top of the list, you will receive 16,478 women, some of them will be dandies.

Have faith, do not break the chain. One man broke the chain and got his old woman back again.

Sincerely,

A TIRED BUSINESS MAN
P.S. At the time of this writing, a friend of mine received 1,183 women. He died and it took five undertakers 17 hours to wipe the smile off his face.

(Editor's Note: The above is a genuine letter to the Editor. Unfortunately, he is not now in a position to take advantage of this wonderful opportunity.)

E.I.C. Photographic Exhibition

The Engineering Institute of Canada has kindly made available their 1957 photographic exhibit for display in the Mechanical buildings. The pictures illustrate the progress being made in almost every field of engineering and should be of great interest to students of every course. The quality of each photograph in itself will attract the attention of every amateur photographer.

The exhibit first went on display last June at the Annual Convention held at Banff, Alberta. It met with considerable acclaim and has since been viewed by engineers and students throughout the country.

After exhibition at the U. of T., it will be forwarded to the University of New Brunswick for the opening of their new Engineering Building.

N.M.S. dance begins at 9 p.m.

Moon Madness

Howl! Howl! Howl! Howl!

Yeah, Howl, Ha!

Y'know, had an old dog onshit, ushta bay the moon. Yup, Guesh now I've taken over.

Oh, don't mishunnerstan' me old boy. It'sh not their little red moon I envy. Hell, not 'Sh far ash I'm cinshured, they can claim that old green sheesh one too. They probably do. Oh damn!

Here hav'n other one.

No, like I was shayin', let them have it. The moon. Whatsh eatin' me is that they have the Shientists to get a moon off the earth. Yup, right offsh, 'n if they can get a moon off, they can get other things off too. Ush, Frinshantsh!

Yesh sir, you'n me, bosh.

'n what can we do about it? Eh? Noshin! I tell you, noshin! Oh, tish aw'll.

Nah, shidud'n won't help. Nah. I tell ya theresh leish of people that know Shaumsh by heart. Yeshir, they all know tish. An' shill they can't keep up with them Rush'n's. Ya gotta be a genush; thatsh what ya got to be. A genush.

We're sittin' like ducksh on a cheedar log. Dead ducksh. An' theresh noshin' we can do. Noshin!

Here, pash me the bottle.

Overseas Students Debating Caravan

Overseas students of all faculties have combined to form a so-called "Debating Caravan." Purpose of the Caravan is to form a team of foreign students who will participate in debates with all faculties, having at least one debate per month. It is hoped that a debate will be arranged with S.F.S. in the near future. Froi, Hughes has been chosen as the staff advisor to the Caravan from this faculty.

Another item of interest to Overseas students received in our Offices is that the International Students Organization has arranged a dance in Trinity's Convocation Hall for Friday, Oct. 18. Music will be provided by the Varsity Jazz Quartet. Admission prices are \$0.75 for non-members, and \$0.50 for members. Refreshments provided. The N.M.S. dance begins at 9 p.m.

UNITED APPEAL GALA-ctic NIGHT

All Skulomen are invited to see the smoothest student satellites and to bone in on their "beeps", by coming to Convocation Hall on Thursday the 17th, instant, (tomorrow), at 7.30 p.m. A whole galaxy of stars will be present to launch the United Appeal on this campus. Josh Klug, the new CHUM's star disc jockey will be the master of ceremonies and the programme will include several entertainment personalities famous on and off the campus.

The long list of attractions includes Hageood Hardy and his Quartet, Jack Law and his Rock and Rollers, Frank Cockram and the Varsity Jazz Quartet, John Gray the folk-singer, Jimi Doris and his Calypso Cats and a host of others too numerous to mention.

Emcee Josh Klug will be helped by Mary Frances, Miss United Appeal. It all adds up to an evening's entertainment which no one should miss.

Twong pouches have many uses, an authority on Africa said today. Sir Alfred D. Hales-Spar, author of several books on adventure, explorer, historian, physician, and botanist said they have many uses.

FLOAT PARADE OCTOBER 26

Volunteers required now for design

and construction of

ENGINEERING FLOAT

No experience necessary. Not much time involved.

Help S.P.S. win first prize in the parade.

Contact:

BILL LOGAN,

c/o Engineering Stores.

Fall Elections October 26th

Positions Vacant:

FIRST VICE PRESIDENT — Fourth Year Student.

EXTERNAL AFFAIRS REPRESENTATIVE — Third or Fourth Year.

PRESIDENT 6T1 — First Year Only.

6T1 ATHLETIC ASSOCIATION REPRESENTATIVE — First Year Only.

0/00

Nominations: — Friday, Oct. 18, ABD Monday, Oct. 21.

Campaign Speeches: — Wednesday, Oct. 23, Room T 102, 1-2 p.m.

All nominations must be handed in at the Engineering Society's offices on the appointed days between the hours of 9 a.m. and 5 p.m.

NEW SYSTEM FOR

Employment Interviews

Fourth year Engineering students will be interviewed by prospective employers under a new scheme this year. Previously, representatives of various companies would visit the campus and hold interviews with graduating students from early in the first term until well on into the second term. This method proved less than satisfactory, not only to the students who had to fit interviews into a time-table already crowded with lectures and labs., but also to the companies who had to interview prospective employees at a time when they were unsure of their personnel requirements for the next year. Therefore, this year all interviews will be conducted during the three day period, February 6, 7, 8. During this period all fourth year lectures and labs will be cancelled, so that students will be free to have interviews with any company in which they are interested. The reason behind this new development is an attempt to find a procedure through which Engineers can make a choice of employment as a result of considered thought and comparison of offers. This will be made possible without restricting individuals or interfering with the limited academic time that is available to them during the important final year of their course.

The procedure under which the new system will be conducted will be as follows: Commencing at the latter part of October, information supplied by companies on their activities and manpower requirements will be set up, as received from the companies, in distinctive blue folders in each of the Engineering libraries.

At the same time a loose-leaf binder will be started in each library with a complete one page summary sheet for each company interested in the graduates from that department. This will provide as a quick-to-use guide to the scope and opportunities of the offerings of each company. If the student desires further information about any one company, this will be available in the blue binder previously mentioned.

During the following twelve weeks, graduating students will be asked to do a personal research job in the library on the information made available there with the purpose of determining the selected list of companies that they wish to see during the interview period. Space is now being provided at the Employment Offices at 5 Wilcocks St.

for information supplied by companies, but which is too bulky to be accommodated in the folder. Here, too, will be kept any literature which the companies wish distributed to the students. Where such literature is provided, it will be indicated in the loose-leaf binder.

If a company cannot come to the campus during the stipulated recruitment period, they will be given the opportunity of calling for written applications from interested individuals. The above system of transmitting information will be used for these companies. If one of the latter companies wish to have an interview with one or more selected individuals at a later date, arrangements will be made by the Placement Service. Similar arrangements will also be made for companies which were here but wish to have second interviews with certain students. At such series of interviews no new applicants will be considered.

After the Christmas holidays, a set of interview schedules will be opened and the men in their final year invited to select interviews during the three day period, February 6, 7, 8, with any company in which they are definitely interested.

All fourth year facilities in the Faculty of Applied Science and Engineering will be closed for this period. Company recruitment officers will then stage a series of interviews with the applicants who have signed for appointments. These interviews will take place in the Engineering buildings. Arrangements will be made during the three days to fill in appointments with applicants whose names are not on the list only if the company is not already completely booked at the time.

Offers will be made to acceptable candidates immediately following February 8th. Applicants will then be provided with the valuable opportunity of being able to compare all offers together, and to reject unsuitable offers promptly. This will release these positions for others who may be second choice on the company in question. All students who have not made satisfactory arrangements with companies by the middle of March may come to the Placement Service and register personally there. Such registrations will be used in discussions with companies who have either not completed their requirements at the time of the interviews or who have added re-

quirements following that time. **Summer and Part-time Employment**

Undergraduate or summer employment will not be included in this programme. All such registrations and company interviews will be channelled through the Students' Administrative Council's Employment Office. These interviews will take place at intervals throughout the entire academic year, and announcements of the same may not necessarily appear on departmental notice boards. It is essential that students interested in this type of work keep in touch personally with the SAC offices.

Postgraduate Employment

The Faculty has decided to give employers the choice of interviewing postgraduate students through their supervising staff member, or else giving them an opportunity to participate in the three day programme.

If any of the companies require Arts graduates, they will be given the opportunity to do so along with the Engineering interviews.

If the feelings of a large number of fourth year students questioned are typical, the majority of these welcome the new system. Many of them, however, were inclined to feel that the interviewing period had been left until too late in the second term. It was feared that employers would fill all desirable positions with graduates from other universities interviewed earlier in the academic year. This would place the Toronto grad at a disadvantage in securing good jobs. When interviewed by Toike Oike, Colonel J. K. Bradford, in charge of the Placement Service, expressed the view that these fears were entirely groundless. Toronto supplies about 25% of all Canadian Engineering graduates, he said, and the standards here were the very best. No company would fill its employment quota without tapping such a source as this. Besides the date was chosen in consultation with several companies, and these felt that they would have better ideas of their requirements at the date chosen, rather than earlier in the year. As early as Oct. 1, 55 companies had made definite arrangements to be here during the interviewing period.

Several other universities have expressed interest in the scheme, which is being tried for the first time in North America. Every Canadian engineering school will have representatives on this campaign. (Continued on Page 8)

Engineers Abroad



Engineers spread far and wide during the summer vacation. Their search for adventure, professional experience, escape from paternity actions or what have you leads them into many interesting experiences. Not all of these can be recorded, but it occurred to us that some of them might be worth reporting.

With this in mind, we cornered John Preece, a fourth year mechanical and a member of the U of T Contingent, COTC, who spent last summer at the Army's School of Electrical and Mechanical Engineering near Kingston. Somehow or other, we had always thought of this programme as a snare laid for the unwary engineer, but John certainly didn't share this view.

"Surely," we persisted - thinking of the snare, "you must have had some bad times, what with all the drill, and spit and polish and all."

John, however, was really sold. He pointed out that the school had over \$83,000,000 worth of electrical equipment alone, and that the machine shop was out of this world. Most of the curriculum consisted of work on tracked- and wheeled vehicles, wireless sets, guns and so forth. There were lots of opportunities for technical experience, as well as training in leadership and job organization.

We folded our notebook and left. As we walked away, we thought of our summer in the muskeg north of Lake Superior, and wondered if perhaps we hadn't missed a bet by not looking into the COTC programme earlier.

Skule Night Fever Sweeps The Provinces

Well, maybe that's a bit of an exaggeration in our by-line, but it won't be long before Skule-Nite will be sweeping the campus at Toronto. In another six weeks, no doubt, it will be the only topic of conversation in the main gathering places about the campus. Places like the K.C.R., long regarded as the meeting place of Varsity's elite, will be throbbing with such constructive phrases as: "how about the legs on the one third from the right in the Russian scene", or, "what d'ya think of Poopsi".

But, my friends, that is the point I wish to draw; any poor slob can pay money and see it, (well, almost any, if he's in fourth year). It is the truly intelligent, resourceful and tactful who are able to see the show without stooping to the depths of degradation which paying the required admission entails. How? Well, not by sneaking in, you cad! But by joining the cast, naturally. What could be simpler?

There are still many positions open for actors, singers and dancers. There are signs all about our honourable Skule House telling what is required and how to go about filling the positions.

If you think yourself unable to act, sing, or dance well enough to be able to make the cast (i.e. - you have an acute inferiority complex), then there are still thousands of jobs requiring varying degrees of mental or physical effort. Just sign one of the lists posted outside the Stores.

You will have a most justifiable pride of achievement in the best Skule-Nite ever, if you throw in your lot with all the other workers now.

TOIKE OIKE NEEDS: WRITERS

Write anything. We'll print it. We have lots of space to fill, and a little to fill it with.

MAKE-UP MEN

No skill involved. We will show you how.

ANY ENTHUSIASTIC HELP

Please sign list outside the Stores . . . and come to a meeting in the Stores on Friday, October 18th, at 1:10 p.m.

ENGINEERING JACKETS

Made Exclusively by

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Three Weeks' Delivery

ON
OCTOBER 25th
MAKE SURE
YOU and YOUR
NEIGHBOUR
VOTE!

The Engineer In Politics

It would commonly be accepted by many of the non-scientific population that whatever an engineer is qualified for few duties outside the narrow limits which his technical training imposes. Quite often one hears the shortcomings of a technical education derided by those who believe that its scope in the humanities is woefully inadequate, and that the product of such an education is not fitted to make his fullest contribution to the society in which he lives. He may, it would be said, be able to build bridges and roads extremely well. He may produce machines which may greatly increase the convenience of life and he may be able to make startling developments towards satisfying man's curiosity in nature. But, however, when it comes to dealing with human problems the engineer is out of his depth. He is equipped to deal only with machines, and human nature does not respond to mechanical treatment.

It cannot be denied, however, that the essential difference between our civilization and its predecessors, is the technical foundations of today's. Technology lay at the bottom of the whole movement of industrialization; and if science became popular after 1870, in that persons unacquainted with science came to look upon it as an oracle, it was because its powers were so dramatically demonstrated in the engineering achievements which resulted. Hardly had the world's more civilized regions digested the railroad, the steamship and the telegraph, than a whole series of new inventions began to unfold itself. Chemical engineering discovered new fertilizers, and from coal tar alone produced a bewildering array ranging from artificial flavors to high explosives. Civil engineering produced the first great tunnels as well as the Suez and Panama canals. Electrical

engineering revolutionized indoor and outdoor lighting and offered the telephone. Not to be outdone, mechanical engineering presented the internal combustion engine, the automobile, the aeroplane and a host of new developments to make their impact on society. In the thirty years following 1875 the number of patents tripled in the United States, quadrupled in Germany and multiplied in all civilized countries.

The industrial development which followed was not without its ill effects. The increasing division of labour encouraged the formation of larger units at the expense of the smaller ones, so that the economic benefits of industrialization were not made available to all. The economists, Thorstein Veblen, there burned a moralist's passion to realize the full benefits of technology. In 1921 he produced "The Engineers and the Price System" in which he advocated an economy by which industry could be organized as a systematic whole. The essentials of this scheme was the abolition of the price system in favour of a council of technicians with the power to control the entire resources directly through the economy. Of course, businessmen would go, in fact, ex-businessmen would be excluded under some kind of loyalty system from all positions of trust and executive responsibility.

On the whole, Veblen's manifesto had little influence before his death. However, a New York engineer named Howard Scott, had known Veblen and absorbed

his ideas about the role of engineers in an industrial society. An eccentric, Scott inhabited New York's famed Greenwich Village in downtown Manhattan, where he ran a floor-wax business. He was soon a familiar personality in the Village, and expressed his economic ideas to all who would listen in a most vehement and confident manner. As Scott saw the future, the rapid increase in productivity would far outstrip the opportunities for employment and increasing debt would result, until the whole structure of capitalism collapsed under the strain. The industrial age would then have turned upon its masters and destroyed them. However, in that moment of destruction it offered to the inhabitants of the North American continent a hope they had never known before. This hope was to give complete control to the engineers, and by 1932 the engineers would provide a standard of living ten times as great as that of 1929. This would be accomplished while reducing the average work week to sixteen hours. Everything in this utopia would be as scientific as the machine itself. No political structure had any use whatsoever in the proposed energy state. In the technological administration controlling the continent there could be no place for any political action whatsoever.

Most curious of Scott's proposals was the abolition of the old price system, which he considered a hindrance to the full use of economic resources. "Mass production, necessary to produce at lowest physical cost, must run at continuous full load," he said, "and in order to maintain this rate of production there must be assigned mass purchasing power equal to the output of production. The control of the rates of flow of goods and services cannot occur under a price system. There must be an accurate measurement of all rates of flow, substituted for the process of evaluation now used in our currency and credit structure." Therefore to achieve the equivalence of production and purchasing power which he considered necessary, Scott advocated that money based on gold be replaced by money based on foot-pounds and kilowatt hours. If goods were priced according to the amount of energy used in making them, then the total of prices would be equal to the total of kilowatt hours of labour. This labour being paid by money based on the same energy standard, the purchasing power for all goods produced would always exist. With the proper allocation of energy money, consumption would thus unfailingly and automatically balance production.

Scott's ideas did not create much of a stir until the depression. This seemed the very destruction of the capitalist system which Scott had prophesied and he was soon provided with a ready and attentive audience. In August 1932 the New York newspapers announced that an energy survey of North America was to be conducted at Columbia University by a group, called Technocracy, under Scott's direction. Almost immediately the idea appealed to the popular. Technocracy offered a plausible explanation for mass unemployment, and offered a solution cast in the authoritative language of science and engineering whose power men the world over had come to respect and regard with awe. Seeing the future in terms of technology rather than of politics or finance, it appealed to the multitudes who had lost their faith in men and money but not in machines. "There are no physical factors in existence which could prevent the efficient operation of this continent on an energy basis," Scott said. "The only thing which now prevents it is our devotion to a shibboleth—price."

However, there were serious obstacles to getting the movement into practical operation. Scott confessed that Technocracy did not know how to accomplish the change, because it was not inter-

DEBATE—

"SATELLITES or EDSLS"

The motion "Resolved that we need Satellites, not Edsels", will be debated today in Room 102 of the Mechanical Building.

The technical achievement of the Western world which has received most publicity in recent months has been the introduction of a new line of automobiles. These cars, introduced with an advance publicity considered gigantic even by the automotive industry, continue the longer, lower, more power, more chrome trend which has become the standards of western automobiles.

On the other hand, the scientific achievement of the Iron Curtain group has been a little Red moon, whizzing merrily around the world in its 1½ hour day. So while the Westerner sits luxuriously in his shining new limousine, issuing commands to his plushomatic drive through the medium of control buttons located in the hub of his steering wheel, the Russian stands freezing in the wastes of Siberia trying to catch a glimpse of the little pinhead in the sky which will attest to his achievements.

The relative advantages of the two accomplishments, and their values, will be the object of the debate, Art Pazia, 3rd, Eng. Bus., who will be supporting the mo-

tion sees the increasing emphasis on luxury and comfort as a threat to the Western way of life. "It was the same attempt to achieve the maximum of comfort with the minimum of effort which resulted in the decline of the once great Empires of Rome and Spain," he said, "and unless the Western world is prepared to accept the challenge of the vast unknown our destiny will be the same. The sacrifice of some material comforts is not too high a price to ask."

Tony Simms, II Eng. Phys., leader of the Opposition, does not see events in the same light. "The supreme achievement of the West has been the development of creature comforts for all individuals to enjoy," he said. "Important as scientific research is, the material benefits must not be sacrificed merely for an impressive display of accomplishments in the mechanics of war. That is what the Russian satellite is basically."

The debate begins at 1:10 p.m. today (Wednesday). Students are invited to bring their lunches along with them. It is hoped that a large number of students will support this first debate of the year, and publicly express their views if they wish to.



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DINNER:

THURSDAY, OCTOBER 24

GUEST SPEAKER:

MR. LISTER SINCLAIR

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DRESS INFORMAL

ested in political methods. Nevertheless, popular excitement arose surprisingly around it. Perhaps nothing provided better evidence of the fear of the void which filled men in those seemingly hopeless days. Bankers and industrialists turned out in large numbers to hear Scott at banquets at the Metropolitan Club and elsewhere. One prominent journalist described Technocracy as "the most important movement which has shown its head in our time."

Another saw it as "perhaps the most arresting challenge which the American industrial system has ever faced." "The Nation" pronounced Technocracy the first step towards "a genuine revolutionary philosophy for America," and addressed an open letter to its leader. Radio commentators made jokes about it, a new dance was named after it in Roseland, and The Mental Patients Defenders Association formed The Technocratic Party of the United States.

The movement was not without its critics, however. "Of all the sure cures hawked since the depression began," said H. L. Mencken with scorn, "it is the worst. Communism, I think, is more rational." Another, noting that the economic determinism of Marx was possibly giving way to the technological determinism of

Scott, thought it was just a case of one mechanism replacing another. Others wisecracked that the substitution of engineers for political leaders in running the country was pointless, as an era of government by engineers in Washington had just been completed.

Not to be daunted, Scott, a colourful figure, did his best to maintain the atmosphere of impending revelation by fast talking. However, when pressed, the statistics and charts which he disclosed were too obviously defective, and the great survey always remained in the indefinite future. Soon many of his former supporters began to denounce him, and to sever their connections with the movement. Eventually he lost all his influential support, and, caught between ridiculousness and irrelevance, the dream of a technical utopia dissolved as rapidly as it had arisen.

While few would suggest adopting the extremes which Scott advocated, there remains today the feeling among many that the full possibilities of our industrial civilization are not being achieved because of the shackles imposed upon industrial development by the technically ignorant who, in large measure, control political

(Continued on Page 8)



SPORTOIKE

By FRANK WAWRYCHUK

If the participation in sports continues according to the pre-season indications, Skule has a very successful year ahead. By adding the expected number of wins to our record number of entries, the combined point contribution should give us a nice margin for the Reed Trophy.

A good turnout for football this year gives us two real contenders. Despite heavy absenteeism at practice, attributable to the 'flu bug, Senior Skule, under Don Comish and Bill Cooper, and Junior Skule, under Dan Mucci and Chuck Meyer, are both shaping up well. Neither team has a game scheduled this week, and with this extra practice time, watch for a bang-up opening next week.

Soccer enthusiasm is high, and Jay Quartz has formed three teams for this year's competition. Lacrosse interest has hit an all-time high, and a record seven teams entered from Skule this Fall. Volleyball interest also is above that shown last year, with three teams being entered by Jim Thompson in the major league. There has been a similar increase in the number of minor league teams.

All this indicates tremendous enthusiasm at Skule. We have gone along with the pre-season indications of enthusiasm, and entered enough teams to take care of all those desiring participation. It is up to you to maintain this interest throughout the season, and turn out to all scheduled games. Defaults are costly in terms of Reed Trophy points, and therefore inexcusable.

For all freshmen who have not yet indicated a desire to play any particular sports, might I remind you that 17 credits are given for team spirit participation, which goes a long way towards the required 33. Participating intra-murally is obviously an easier and far more enjoyable method of obtaining P.T. credits than are Hart House physical education classes. Besides this, you make a significant contribution towards the capture of the Trophy, which all Skulemen should feel obligated to do. So, next time you pass the bulletin board, have a look at the sports available, and sign up with the team of your choice.

An excellent opportunity for freshmen to do some of that so essential extra-curricular work and gain executive experience, is to serve on the Athletic Association as the 6T1 representative. Give it a thought, then start your campaign plans. Make this a well contested election.

ENGINEERING ATHLETIC ASSOCIATION ELECTIONS

Friday, October 25th

Position Open . . .

FIRST YEAR REPRESENTATIVE — 6T1

For information, ask in the Athletic Association Stores, or speak directly to a member of the Engineering Athletic Association.



Skule's United Appeal To Launch Sputnik II

With the opening of the United Appeal on this campus, a drive will be made to collect a minimum of \$2,500 in Skule towards the launching of a revolutionary new inter-faculty ballistic missile to be known as "Sputnik II." Annoyed by reports that research engineers on this side of the Campus Curtain had lost the race towards the development of the missile, enterprising Skulemen have spent many hours in the perfecting of this new weapon, which has several revolutionary features of great technical ingenuity. Not even Toike Oike was allowed full details of this exciting project, but on intelligence reports received, it is known that the missile consists of a single stage, liquid (neer?) fuel rocket. From this scale which may be deduced from the indistinct photographs taken by our intelligence, the missile appears to be about 7 feet long, but the accuracy of that figure cannot be guaranteed. That Sputnik II is able to attain the range of which it is known to be capable on a single stage, is evidence of the development of some new and revolutionary fuel.

However, it is precisely here where the help of all Skulemen is desperately needed. Unless \$2,500 is raised for the United Appeal, our research team will be unable to afford the amount of fuel necessary to send the missile on its way across Queen's Park, in view of recent cutbacks on all offense projects. In addition, the more money collected,

the more powerful will be the charge which will be placed in the warhead of Sputnik II. The plan therefore is this, Each and every Skuleman is implored to contribute at least \$1 towards the campaign, even if it means doing without lunch for a week. Better still, go without lunch for two weeks, and give \$2 towards this most worthy project. As the money collected increases, so will Sputnik's range and destructive powers. On the last day of the campaign, Sputnik will be unveiled on the front campus at noon. Then, with the Lady Godiva Memorial Band playing "By the Light of the Blue and Gold Moon," the Skuleman who was most generous in his contribution will be asked to step forward. Make sure that you try your utmost to be the largest giver in Skule, for read on to see the great honour which will be conferred on that fortunate individual. The missile will be aimed across Queen's Park at a target too notorious to need mention. Then, amid the loud cheers of his admiring fellowmen, amid the incessant popping of Toike Oike flashbulbs, the most honoured and generous Skuleman will light the wick. (Do you not wish already that it could be you?) Then, with a demonstration of speed and pin-point accuracy which will amaze the most learned ballistic experts, Sputnik II will have accomplished its mission in a blaze of radioactive glory.

Both St. Michael's and Dentistry have challenged Skule to make higher per capita donations than they do. With Sputnik II to help us, we must win. When we do, both schools must be disciplined for their impudence.

Frank Collins, in charge of United Appeal, and director of scientific research on "Operation Sputnik" was interviewed by Toike Oike last night. "I have no doubt," he said, "that all Skule will unite towards the achievement of this most worthwhile project. While it is hoped that the United Appeal campaign will last until Nov. 7th, the anniversary of the Bolshevik Revolution, so that Sputnik may be launched on that day, yet, if Sputnik must be launched before then, I am confident that Skulemen will provide the necessary funds in time. We will make others sit up and listen to our "beeps" — if they are still around to do so."

And there it rests for now. All Skulemen will gird themselves for battle and contribute with unprecedented generosity to this worthy cause. Our superiority in this field must forever remain unquestioned. The hours of labour, and infinite slide rule and electronic brain calculations which have gone into the preparation of this remarkable achievement must not be wasted. Gentlemen, Skule needs \$2,500. Must Sputnik II fail from lack of funds? The answer lies with you.

- SPORTS -

VOLLEYBALL

S.F.S. will enter three major league teams and eight minor league teams in interfaculty competition this year. This is an increase of three teams over last year, and results from an effort to boost student participation in S.F.S. from last year's lowly 38%. This was by far the greatest single factor accounting for our loss of the Reed trophy to St. Michael's last year. St. Mike's had a percentage participation of .50 in the same year.

The senior and intermediate teams will be made up of second, third and fourth year men, whilst the best players from first year will comprise the Junior team. The minor league teams will be made up entirely of first year men.

All freshmen are reminded that all games are to be played in the Upper Gyms in Hart-

House. The schedule for the week will be published in The Varsity either on the Monday of the week in question, or on the previous Friday.

LACROSSE

Lacrosse interest is very high this year, and this has resulted in the entering of seven teams from Skule. The consequence is that in the last seven team group in the first division, there are three Skule teams, the V's, VI's and VII's, thus being almost an S.P.S. house league. Besides having the largest number of Lacrosse players in years, this season's will be the best equipped, with both sweaters and shorts being issued to all teams.

The Skule I's are quite strong, with Bob Stager, Pat Falby and Frank Wawrychuk, all back from last year. Up from other Skule teams are Joe Furgal and (Continued on Page 8)

How To Say Nothing - Effectively

by TOM BRZUSTOWSKI

Before we plunge headlong into this obviously fascinating topic let me say right now that if you expect this to be a manual on how to stand up under interrogation, whether in a P.O.W. camp or when coming home in the wee hours in high spirits, you might as well go back to sleeping, listening to the lecture, eating lunch, or whatever else you were doing. For those who are still with me, I simply intend to show, with the help of everyday examples, how easy it is to make people think that you are telling them something important and fascinating while really you are saying nothing.

In order to impress someone with what he thinks you are telling him, it is first necessary to analyze the situation as rapidly as possible, then choose the course of action prescribed for such a situation, and finally, carry out the accepted steps in the proper manner. The first question to ask is whether your object is better informed, more experienced, and of higher intelligence than you. In other words, can the so-and-so show you up? If he can, then it is necessary to use procedure A, if not, procedure B will suffice.

Procedure A must be used in examinations, lab reports, friendly chats with professors or supervisors, at dull parties where little is known about the other guests, during employment interviews, and when meeting the girl-friend's family, for the first time, at least.

Procedure B can be used in telling your friends about the summer job, in advertising, on blind dates, at dull parties with some familiar faces, at very dull parties just before leaving, at family reunions, and when going back to visit the old school.

Procedure A for saying nothing effectively basically consists of adding as little as possible to what has been said before, but giving the impression that your knowledge is more profound than has been indicated. Some specific examples will help to demonstrate this technique.

Consider an examination in economics, for instance. Since essay answers are asked for, then obviously the examiner is interested only in how much you can write in two and a half hours. Well, first it is necessary to copy out the question and then expand it to at least half a page. This also shows that you understand the question. Then you write down the three or four points which you can recall. This gives you two or three pages with fifteen minutes still left to spend on the question. Here you start applying procedure A with lengthy sentences such as: "The above indicates only what has so far been offered to explain the trends under discussion, yet even though the present state of the art is far enough advanced to predict future possibilities, we cannot assume the complete validity of our suppositions . . . etc., etc., etc." for the remaining fifteen minutes. If, after filling three books with such profound discussion of the subject, you still get a D, then it is clear that the professor must have had some grudge against you.

Lab reports often force the use of procedure A. What could be more impressive than a bulging folder, with four pages devoted to discussion of error, and almost none used? And if a discussion of a book written about the pro of the merits of the experiment be called for, then you simply write two or three pages of nothing at all, but conclude that one, and that the people who set it up should be congratulated the experiment was a very good one on its fine presentation of the topic, etc., etc., ad nauseum. Any mark lower than a B-plus on your report immediately betrays some hidden ill-feelings for you on the part of the marker.

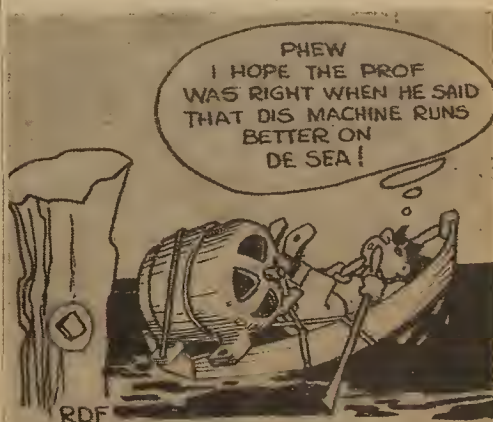
In friendly chats with professors or supervisors, and on the other occasions already mentioned under procedure A, it becomes necessary to follow the title very nearly literally, i.e.: to say almost nothing at all. The

idea is to listen very intently to all that is being said by the object and then to make very rare but very knowing comments.

For example, suppose that at a dull affair somewhere you find the company listening intently to the vivid description of an art exhibit at a private gallery. The party is just about monopolized by the raconteur who obviously knows his stuff. Your knowledge of art is limited to the Esquire calendar, the Sunday funnies — Man, can that guy Capp draw women! — and one or two shows of the 64,000 Dollar Challenge that you saw last winter. And the only art gallery you remember is that place on King where they have nudes in the window. Well, you don't let that worry you. You just sit there quietly and wait for your chance. It comes almost at once. . . . while the surrealist tendencies of the South American neo-expressionists have not yet reached the sheltered traditionalists up here, yet . . . And then you break in. "Excuse me, but is it true that the traditionalists here are beginning to adopt cubism?" This requires from you only the knowledge of the word "cubism" but it impresses all present with your wide knowledge in this field. In addition it might help break up the party.

The procedure which I call B is perhaps the most widely used in our present-day society. It involves only the use of "technical terms". With the present desire of the public to seem technically inclined this method has found widespread use in all advertising. You are particularly fortunate in being equipped with a sizable vocabulary of technical expressions which you can wield with great dexterity when necessary.

Let us look first at the application of procedure B in common advertising and soap ads do make masters at this. For example: "Independent research by a big scientific organization shows that NEW LYSO cleans up to three and half times as effectively as other leading (Continued on Page 8)



SCHOOL YEARBOOK 1958

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At 1.10 p.m.

